



ALEKSANDAR THE UNIFIER

Armored wheeled vehicle



Aleksandar the Unifier is the name of a family of multi-purpose tactical armored vehicles of the 4x4 drive formula, which are intended to perform a wide range of tactical tasks in the domain of internal security and military operations.

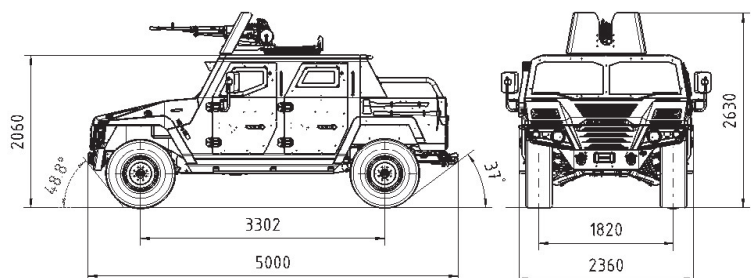
Vehicles can be used in conflicts of varying intensity, from typical low-intensity conflicts - asymmetric warfare, anti-terrorist and anti-guerrilla operations, to various categories of medium and high intensity conflicts.

The vehicle concept is based on the integration of different configurations of the superstructure-armored body, equipped with different equipment and weapons, depending on the basic mission, i.e. the purpose of the vehicle, with a universal chassis of the 4x4 drive formula with an independent suspension featuring high payload and high off-road mobility.

Depending on the configuration of the superstructure, the vehicle may be intended for: patrol operations in areas of high risk of ambushes; reconnaissance, observation and control of the territory; transportation and fire support of special operations units; anti-armor combat and short-range air defense; integration of weapon systems based on loitering ammunition, artillery and suspended missile fire support systems, artillery fire control, etc.

General characteristics :

• Type	Armored wheeled vehicle with four doors on the sides and rear cargo space
• Drive	4x4 (permanent)
• Length	5.0 m
• Width (without rearview mirror)	2.36 m
• Height to roof plate (fully loaded)	2.06 m
• Height with Turret 12.7mm	2.63 m
• Wheelbase	3.302 m
• Wheel track	1.82 m
• Weight of empty vehicle	approx. 5.6 t
• Maximum weight	6.396 t
• Number of seats	4
• Ballistic protection	Level 2 (STANAG 4569)



Operating characteristics :

• Approach angle (fully loaded)	48.8°
• Departure angle (fully loaded)	37°
• Trench Width	0.914 m
• Vertical Obstacle	0.457 m
• Max. Grade (fully loaded)	60%

- Max. Side slope (fully loaded) 40%
- Fording depth 0.762 m
- Min. ground clearance (fully loaded) 0.42 m
- Min. turning radius 7.62 m
- Max. Speed (On Road) 113 km/h
- Max. Speed (Off Road) 48 km/h at Low range
- Max Acceleration 9.4 s from 0-48 km/h
- Max. Cruising range 400 km (optional 675 km with additional fuel tank)
- Specific power 32 HP/ton
- Fuel Consumption (On Road) 23.5 l/100 km
- Towing capacity (fully loaded) 1.905 tons

Engine :

- Designation GEP 6.5l
- Type diesel, four stroke, with turbo-compressor, liquid-cooled
- Max. Power 205 HP (3200 rpm)
- Fuel tank capacity 95 l (optional 159 l)

Transmission :

- Designation General Transmission Products 4L85e

Transfer case :

- Designation Magna Powertrain MP2225

Axles :

- Designation DANA 44

Wheels :

- Number 4
- Rim type Steel, two pcs
- Max. rim load 2.059 tons

Suspension :

- Type Independent with hydraulic shock absorber and coil spring; Double A Frame

Steering system :

- Designation Sheppard Steering Gear M83

Parking brake :

- Type Mechanical

Central tire inflation system :

- Designation AM General
- Compressor type Thomas TA-4101-DC 24V

Recovery winch :

- Designation Warn 78524

HVAC system :

- 15.1 Designation Mobile Climate Control

Turret 12.7 mm :

- Type Manually operated fighting station with 12.7mm machine gun
- Azimuth n x 360°
- Elevation -8° to +65°
- Machine gun caliber 12,7x108 mm

